

Notice of Allowability

Application No.

10/509,783

Examiner

Kiet Doan

Applicant(s)

KAMPHUIS, ROBERT

Art Unit

2617

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 06/27/07.
2. ☒ The allowed claim(s) is/are 1,3-10,12,14 and 16.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|--|--|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input type="checkbox"/> Notice of Informal Patent Application |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 6. <input checked="" type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date _____ |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date _____ | 7. <input type="checkbox"/> Examiner's Amendment/Comment |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9. <input type="checkbox"/> Other _____ |

DETAILED ACTION

1. This office action is response to Pre-Brief Conference file on 06/27/2007.

EXAMINER'S AMENDMENT

2. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Shiming Wu on 08/20/07.

The amendment as follow:

Claims 2, 11, 13, 15 and 17 are cancel.

Claims 1. Method comprising:

a service center providing a querying to a short message service center in a cellular network for obtaining attainability status of a mobile terminal device in order to determine whether to deliver a communication to said mobile terminal device,

said short message service center responding to the query by evaluating connection related data stored in said short message service center, wherein said connection related data is related to messages pending for delivery to said mobile terminal device, and

if said mobile terminal device is attainable delivering said communication to said short message service center for delivering to said mobile terminal device,

wherein in response to said query to said short message service center, the short message service center queries a home location register of the cellular communication network for an attainability status of said mobile terminal device and wherein said attainability status is obtained by evaluating connection related data stored in said home location register.

Claim 10. A short message service center, connectable to a cellular communication network comprising a service center and a home location register, comprising:

a component for responding to a query from the service center for obtaining attainability status of a mobile terminal device,

a component for querying the home location register to obtain connection related data of the mobile terminal device and evaluating said connection related data to obtain an attainability status of the mobile terminal device, said connection related data being related to messages pending for delivery to said mobile terminal device, and

a component for receiving a communication from the service center and delivering said communications to the mobile terminal device if the mobile terminal device is attainable for receiving said communication, and

a component for generating a message to the service center according to results from evaluating the connection related data.

Claim 12. Network device connectable to a short message service center of a cellular communication network, comprising:

a component for generating a message for querying the short message service center for data related to messages pending for delivery to a mobile terminal device,

a component for receiving an attainability status of said mobile terminal device from said short message service center, and

a component for delivering a communication to the short message service center for delivery to said mobile terminal device if said mobile terminal device is attainable for receiving said communication,

wherein said cellular network further comprises a home location register, and wherein said network device further comprises a component for generating a message for inducing said short message service center to query home location register data of said mobile terminal device and for transferring said data to said network device.

Claim 14. A short message service center, connectable to a cellular communication network comprising a service center and a home location register, comprising:

means for responding to a query from the service center for obtaining attainability status of a mobile terminal device,

means for querying the home location register to obtain connection related data of the mobile terminal device and evaluating said connection related data to obtain an

Art Unit: 2617

attainability status of the mobile terminal device, said connection related data being related to messages pending for delivery to said mobile terminal device,

means for receiving a communication from the service center and delivering said communications to the mobile terminal device if the mobile terminal device is attainable for receiving said communication, and

means for generating a message to the service center according to results from evaluating the connection related data.

Claim 16. Network device connectable to a short message service center of a cellular communication network, comprising:

means for generating a message for querying the short message service center for data related to messages pending for delivery to a mobile terminal device,

means for receiving an attainability status of said mobile terminal device from said short message service center, and

means for delivering a communication to the short message service center for delivery to the mobile terminal device if the mobile terminal device is attainable for receiving said communication,

wherein said cellular network further comprises a home location register, and wherein said network device further comprises means for generating a message for inducing said short message service center to query home location register data of said mobile terminal device and for transferring said data to said network device.

Allowable Subject Matter

3. The following is an examiner's statement of reasons for allowance:

Claims 1, 10, 12, 14 and 16 are allow according to the remark file on 06/27/2007 and further amendment as indicated in above.

Claims 3-9 are allowed as being dependent on the independent claim 1.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

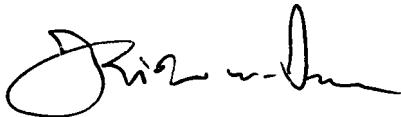
Conclusion

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Kiet Doan whose telephone number is 571-272-7863. The examiner can normally be reached on 8am - 5pm.


If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Joseph H. Feild can be reached on 571-272-4090. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Art Unit: 2617

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.



Kiet Doan
Patent Examiner


JOSEPH FEILD
SUPERVISORY PATENT EXAMINER